

LION Enviro-Geotech

129 N. Cloverdale Blvd, # 7
Cloverdale, CA. 95425
(707) 894-9024 office
(707) 894-7463 fax

CONSULTING ENGINEERING GEOLOGY
Environmental Investigation & Remediation
Geologic & Geotechnical Services
Construction Observation & Materials Testing

August 2, 2005
Project No. 1097.01.01

Ms. Colleen Stone
North Coast Regional Water Quality Control Board
5550 Skylane Boulevard, Suite A
Santa Rosa, California 95403

Subject: **Groundwater Monitoring Report, Q2 2005**
D&G Automotive, 615 Talmage Road, Ukiah, California
CRWQCB Case No. 1TMC434, USTCF Claim No. 015086

Dear Ms. Stone:

This report presents the results of Groundwater Monitoring conducted during Q2 of 2005 at D&G Automotive, 615 Talmage Road, Ukiah, California (Vicinity Map, Plate 1). The groundwater monitoring and sampling was performed on June 15, 2005 by LION Enviro-Geotech. The groundwater monitoring is required by the California Regional Water Quality Control Board, North Coast Region (CRWQCB). The site is identified as CRWQCB Case No. 1TMC434 and USTCF Claim No. 015086.

Background

A leaking waste-oil UST was removed from the site in 1999. Subsequent investigation of waste-oil in soil and groundwater in 2000 discovered leakage from abandoned in-place gasoline USTs. In 2000, gasoline and waste-oil contaminated soil was excavated in the area of the removed waste-oil UST and gasoline USTs. Approximately 1,400 cubic yards of impacted soil was removed and disposed offsite. In addition, approximately 42,000 gallons of gasoline and waste-oil contaminated water was removed from the excavation, temporarily stored onsite in Baker Tanks, and subsequently hauled and recycled at an offsite facility by Chico Drain Oil. Unfortunately, due to physical limitations at the site, it was not possible to remove all petroleum-impacted soils from the property.

In early 2002, the CRWQCB approved the installation of 27 borings at the site. During December of 2002, a comprehensive set of soil and groundwater samples were obtained from the boreholes. These samples have documented the elimination of impacted soils from the waste-oil UST release, and the removal of the vast majority of the impacted soils from the gasoline USTs release.

An area of gasoline impacted soil remains in undisturbed native soils at the northeast and east edge of the gasoline USTs excavation and extends generally northeast to east towards the City of Ukiah Trunk Sewer Main. Within this area is a relatively shallow zone of highly impacted silty and clayey sands from about 1 foot to about 6 feet deep, with levels of TPH as gasoline up to 15,000 parts per million (ppm). Within this area is a relatively deep zone from about 12 to 14 feet deep, with slightly impacted soil within moderately permeable sand and silt strata bound in the capillary fringe of the seasonal low groundwater table estimated at 14 to 15 feet below grade.

The extent of gasoline impacted groundwater is generally defined by the existing array of borings and appears to be confined to the vicinity of the remaining gasoline impacted soils in native soils located northeast to east of the gasoline USTs excavation. A small area of gasoline contaminated groundwater was previously detected between the onsite domestic well, the waste-oil UST excavation, and the southwest corner of the gasoline USTs excavation, with concentrations of MTBE and 1,2-DCE detected at 36 ppb and 12 ppb, respectively, but has not been detected during the past Quarterly Groundwater Monitoring at well MW-2.

In a June 18, 2003 letter, Mr. Dan Warner of CRWQCB required that a Work Plan be prepared for installation of monitoring wells. The CRWQCB concurred with recommendations to install groundwater monitoring wells to assess groundwater flow direction on a monthly basis and concentrations of contaminants of concern on a quarterly basis. CRWQCB recommended sampling monitoring wells for TPH as diesel, TPH as gasoline, BTEX, VOCs, and fuel oxygenates.

LION prepared a Workplan for Well Installation and Groundwater Monitoring dated September 26, 2003, which proposed a scope of work to assess the lateral and vertical extent of petroleum hydrocarbon constituents in soil and groundwater around the waste-oil and gasoline USTs excavation area to evaluate groundwater flow direction and concentrations of requested analytes in groundwater at the site. The CRWQCB concurred with the proposed scope with comments in a CRWQCB letter dated October 30, 2003 from Mr. Dan Warner.

The Monitoring Well Installation and Groundwater Monitoring conducted during June 7 through 10, 2004, generated an additional set of soil and groundwater samples collected from six boreholes for monitoring wells MW1 through MW6 and a water sample collected from domestic well DW-D&G (Site Plan, Plate 2).

The soil samples collected from the soil borings for wells MW1 through MW6 did not contain the requested analytes at or above the laboratory reporting limits, except for BTEX constituents just above detection level at 10' and 15' in well MW2. Monitoring well MW3 contained gasoline constituents including benzene up to 5,000 ppb and TPH as gasoline up to 8,100 ppm.

The initial groundwater samples collected from the monitoring wells MW1 through MW6 did not contain the requested analytes at or above the laboratory reporting limits, except for MTBE and EDC at 2.0 ppb, just above detection levels in well MW5. Monitoring well MW3 contained gasoline constituents including benzene at 1.4 ppb, EDC at 2.8 ppb, and TPH as gasoline at 190 ppb. The groundwater sample collected from the onsite domestic well DW-D&G did not contain the requested analytes at or above the laboratory reporting limits.

The shallow groundwater flow direction on June 10, 2004 was generally east to southeast at wells MW3 through MW6, and towards domestic well DW D&G in the vicinity of wells MW1 and MW2. The calculated gradients range from level between wells MW3, MW5, and MW6, to 0.020 foot per foot between wells MW1 and MW2.

Based on the results of the past investigations and remedial activities, LION Enviro-Geotech recommended: to continue groundwater monitoring and reporting at monitoring wells MW1 through MW6; to continue groundwater monitoring and reporting at domestic Well DW D&G and include DW Ramada Inn on a one time basis for comparison of results. Analyze the domestic well samples using the EPA 500 series for drinking water; evaluate cleanup options for the residual soil and groundwater contamination around the vicinity of MW3.

Water Level Measurements in Monitoring Wells

Groundwater levels in wells MW1 through MW6 were measured on April 19, May 24, and June 15, 2005. The groundwater levels were measured by Tom Lion using a Solinst Water Level Indicator. The depth to water was measured relative to the top-of-casing previously surveyed by DobleThomas & Associates of Cloverdale. The monitoring well Top-of-Casing Elevation, Depth to Groundwater and the Groundwater Elevation for wells MW1 through MW6 are presented in Table 1, Cumulative Groundwater Elevation Data, Q2 2005.

Revised Site Map and Geotracker Data for Monitoring Well MW-2

Previous monitoring at MW-2 indicated an apparent lowering of the water table near Domestic Well DW-D&G. LION surveyed the relative elevations of the top-of-casings at MW-1, MW-2, MW-5, and MW-6 and determined that there was an error in the reported elevation at MW-2 by approximately 1 foot lower than it should be. As this could explain the apparent anomaly, LION requested DobleThomas check their field notes for the monitoring well elevation at MW-2. DobleThomas noted that there was an error in their reported top of casing elevation, corrected the elevation at MW-2, and transmitted a Revised Site Map, and Revised Geotracker data for the Z value at MW-2, which is contained within Appendix C.

Groundwater Flow Direction and Gradient

The Groundwater Elevation and Gradient Maps for wells MW1 through MW6 for April 19, May 24, and June 15, 2005 using the revised elevation of the top-of-casing at MW-2 are presented as Plates 3 through 5.

The groundwater elevation contours were interpolated within a computer contouring program using the water level measurements taken in wells MW1 through MW6 on April 19, May 24, and June 15, 2005. These water level elevation measurements are shown on Table 1, Cumulative Groundwater Elevation Data, Q2 2005, and potentiometric surface contours are shown on Plates 3, 4 and 5, Groundwater Elevation Contour Maps dated 4/19/05, 5/24/05, and 6/15/05, respectively.

The apparent shallow groundwater flow direction on April 19 and May 24, 2005 was generally south to southeast from wells MW-4 and MW-1 towards wells MW-2, MW-5, and MW-6, and was to the east from wells MW-3 and MW-6 towards the City of Ukiah Main Trunk Sewer Line adjacent to wells MW-3 and MW-4, indicating a strong influence in flow direction due to the Sewer Line and/or trench backfill.

The shallow groundwater flow direction on May 24, 2005 was generally southeast from well MW-1 towards MW-6 and generally east from MW-3 and MW-6 towards MW-4, indicated a strong influence in flow direction towards the City of Ukiah Main Trunk Sewer Line.

The calculated gradients range from approximately 0.003 to 0.085.

Groundwater Sampling in Monitoring Wells

Prior to sampling by LION on June 15, 2005 each well was purged of approximately 3 well volumes of ground water by bailing and pumping at a relatively steady, low rate, and the indicator parameters pH, temperature, and conductivity of the purged water had stabilized. The groundwater sampling form is presented in Appendix A.

The water samples were immediately labeled, placed in a cooler with ice, and was transported with chain-of-custody documentation to a refrigerator at LION Enviro-Geotech, which is kept with blue ice at a temperature of approximately 35 degrees Fahrenheit, pending pickup by Analytical Sciences of Petaluma, California on June 17, 2005 for the chemical analysis as requested on the chain-of-custody documentation in Appendix B, for the requested analytes of Total Petroleum Hydrocarbons as gasoline (TPH G), TPH as diesel (TPH D) and TPH as motor oil (TPH MO), and full list of EPA 8260 compounds including volatile hydrocarbons and oxygenated gasoline additives (EPA 8260 full list).

Groundwater Sampling from Domestic Wells DW-D&G and DW-Ramada

On June 15, 2005 LION collected a water sample from domestic well DW-D&G. The CRWQCB previously requested that water samples be collected from the domestic well DW-Ramada on a one-time basis. In a telephone conversation with Mr. Dan Warner of CRWQCB, additional sampling of the domestic well DW-Ramada is not requested.

On June 15, 2005 LION contacted the owner of the Ramada Inn, Ms. Sue Patel, who indicated that the well we previously thought to be that of the Ramada Inn based on conversations with Mr. Don Wiles was not her well and that her well was located in the parking lot west of the previously sampled well. LION contacted the CRWQCB and we understand that they are using their access to DWR records to determine who owns the domestic well southeast of DW-D&G, currently identified, pending additional information, as DW-Ramada.

Prior to sample collection, the faucet nearest the well head was allowed to flow fully open for at least 10 minutes. The water sample was collected from the faucet nearest the well head, with water emerging at a very low flow rate to minimize volatilization. The water sample collected from the well was filled directly into laboratory-supplied 40-milliliter VOAs and Amber Liters.

The water sample was immediately labeled, placed in a cooler with ice, and was transported with chain-of-custody documentation to a refrigerator at LION Enviro-Geotech, which is kept at a temperature of approximately 35 degrees Fahrenheit, pending pickup by Analytical Sciences of Petaluma, California on June 15, 2005 for the chemical analysis as requested on the chain-of-custody documentation in Appendix B, for the requested analytes of Total Petroleum Hydrocarbons as gasoline (TPH G), TPH as diesel (TPH D) and TPH as motor oil (TPH MO), and EPA 524.2 compounds which is the drinking water series equivalent of EPA 8260 full list including volatile hydrocarbons and oxygenated gasoline additives.

Analytical Results of Groundwater Samples from Monitoring Wells

None of the requested analytes, TPH G, TPH D, TPH MO or EPA 8260 full list were detected in the groundwater samples collected from wells MW-1 through MW-6 on June 16, 2005 at or above the RDLs as indicated in Appendix B, Analytical Sciences Laboratory Report dated July 29, 2005, and as tabulated in Cumulative Groundwater Analytical Data, Q2 2005, MW-1 through MW-6, Table 2, except in well MW-3.

The sample from MW-3 contained low concentrations of gasoline compounds, including TPH G at 140 micrograms per liter (ug/L), benzene at 2.4 ug/L, and 1,2-dichloroethane

(EDC) at 3.4 ug/L. The State of California Department of Toxics and Substance Control (DTSC) Maximum Contaminant Level (MCL) for Drinking Water for the known carcinogen, Benzene, is 1 ug/L. The MCL for EDC is 5 ug/L. The water sample collected from MW-3 on June 16, 2005 contained Benzene at approximately 3 times higher than the MCL, and EDC just below the MCL.

Analytical Results of Groundwater Samples from Domestic Wells

None of the requested analytes, TPH G, TPH D, TPH MO or EPA 8260 full list were detected in the groundwater samples collected from domestic well DW-D&G on June 16, 2005, at or above the RDLs as indicated in Appendix B, Analytical Sciences Laboratory Report dated July 29, 2005.

Schedule for Subsequent Monitoring Activities

The Q3 2005 Groundwater Monitoring Report will be presented during October of 2005, following the monthly water level measurements of July and August 2005, and Quarterly Sampling of wells MW-1 through MW-6 and DW-D&G to be conducted during September of 2005.

Conclusions

1. Benzene concentrations detected in groundwater samples collected in monitoring well MW-3 during the ongoing quarterly groundwater monitoring consistently exceed the Maximum Contaminant Level for Benzene, and are just below the MCL for 1,2-dichloroethane.

Recommendations

As required in the attached letter from Mr. Dan Warner of the California Water Quality Control Board, North Coast Region, dated September 23, 2004, we recommend the following:

1. Groundwater monitoring and reporting of Monitoring Wells MW-1 through MW-6 for TPH as gasoline, TPH as diesel, BTEX, and Fuel Oxygenates using EPA Method 8260 with all peaks reported.
2. Quarterly sampling of the on-site domestic well DW-D&G for analysis using the EPA 500 series for drinking water.
3. Quarterly Geotracker data submittal to the SWRCB.

4. Obtain Domestic Well Logs: As requested by our client, LION is coordinated receipt of well log information from the State of California Water Resources Department in order to obtain available information regarding well completion details for domestic wells DW-D&G and DW-Ramada, including well depth, screen interval, and depth of seal. Ms. Colleen Stone is in process of obtaining information regarding the adjacent site domestic well ownership.
5. Meeting with Ukiah Sewer Department: As requested by our client, LION has called the City of Ukiah Sewer Department to discuss the location of the line, the diameter and depth of the line, the precise location of the sewer line easement through the subject site, in regards to evaluation of remedial options of gasoline constituents in soil and groundwater around monitoring well MW-3 vicinity and towards the Trunk Line. A follow-up meeting is being requested by LION and the City of Ukiah Sewer Department on-site to discuss these issues.
6. Prepare CAP: As required by the CRWQCB, prepare a Corrective Action Plan (CAP) to evaluate options for remediation of petroleum hydrocarbons in soil and groundwater at the vicinity of well MW-3 and towards the City of Ukiah Main Trunk Sewer Line. The CAP will present a detailed summary of soil and groundwater analytical results across the site and will evaluation potential remedial options including, soil excavation, ozone sparging, groundwater extraction, and in-situ bioremediation.
7. Prepare RAP: The selected remedial option(s) from the CAP, shall be presented in a detailed Workplan, the Remedial Action Plan (RAP). The RAP will likely include a combination of direct cleanup by soil excavation in the excavation - accessible areas if allowable by the City of Ukiah Public Works due to proximity of the City of Ukiah Main Trunk Sewer Line along with alternative methods such as ozone sparging and in-situ bioremediation in the excavation-inaccessible areas. A small scale Pilot Test may be necessary prior to the final design and implementation of the RAP.

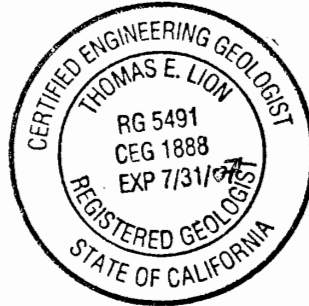
Closure

We trust this is the information you require at this time. If you have any questions regarding this Q2 2005 Groundwater Monitoring Report, please contact Tom Lion at (707) 894-9024.

Sincerely,



Thomas E. Lion, RG 5491, CEG 1888
Principal Engineering Geologist
LION Enviro-Geotech



Attachments:

Table 1 Cumulative Groundwater Elevation Data, Q2 2005
Table 2 Cumulative Groundwater Analytical Data, Q2 2005

Plate 1 Vicinity Map
Plate 2 Site Plan
Plate 3 Groundwater Elevation Contour Map, 4/19/2005
Plate 4 Groundwater Elevation Contour Map, 5/24/2005
Plate 5 Groundwater Elevation Contour Map, 6/15/2005

Appendix A Groundwater Sampling Form, 6/15/05
Appendix B Laboratory Report dated 6/29/2005, Lab Project #5061611
Appendix C Revised Site Map and Geotracker Data, Doble-Thomas & Associates

DISTRIBUTION LIST

**Groundwater Monitoring Report, Q2 2005
D&G Automotive, Ukiah, California
Dated August 2, 2005**

Ms. Colleen Stone North Coast Regional Water Quality Control Board 5550 Skylane Boulevard, Suite A Santa Rosa, California 95403	1 copy
Oswald Survivors' Trust c/o Mr. Will Oswald 1125 N. Amphlett Boulevard San Mateo, California 94401	1 copy
Mr. Don Wiles D&G Automotive 615 Talmage Road Ukiah, CA 95482	1 copy
Mr. Jeff Delgado State Water Resources Control Board Division of Clean Water Programs UST Cleanup Fund Program P.O. Box 944212 Sacramento, California 94244-2120	1 copy
David Cooke Allen Matkins 3 Embarcadero Center, 12 th Floor San Francisco, CA 94111	1 copy

TABLES

TABLE 1
Cumulative Groundwater Elevation Data, Q2 2005
D&G Automotive
615 Talmage Road
Ukiah, California

Well ID	Measurement Date	Top of Casing Elevation (Feet, NAVD 1988)	Depth to Groundwater (Feet)	Groundwater Elevation (Feet)
MW-1	7/21/2004	587.15	13.11	574.04
MW-1	8/17/2004	587.15	14.51	572.64
MW-1	9/23/2004	587.15	15.78	571.37
MW-1	10/29/2004	587.15	13.96	573.19
MW-1	11/24/2004	587.15	13.24	573.91
MW-1	12/29/2004	587.15	6.31	580.84
MW-1	1/28/2005	587.15	6.02	581.13
MW-1	2/28/2005	587.15	6.16	580.99
MW-1	3/16/2005	587.15	6.09	581.06
MW-1	4/19/2005	587.15	5.99	581.16
MW-1	5/24/2005	587.15	5.14	582.01
MW-1	6/15/2005	587.15	6.95	580.20
MW-2	7/21/2004	586.63	12.83	573.80
MW-2	8/17/2004	586.63	14.22	572.41
MW-2	9/23/2004	586.63	15.47	571.16
MW-2	10/29/2004	586.63	13.66	572.97
MW-2	11/24/2004	586.63	12.93	573.70
MW-2	12/29/2004	586.63	6.02	580.61
MW-2	1/28/2005	586.63	5.73	580.90
MW-2	2/28/2005	586.63	5.89	580.74
MW-2	3/16/2005	586.63	5.81	580.82
MW-2	4/19/2005	586.63	5.70	580.93
MW-2	5/24/2005	586.63	4.83	581.80
MW-2	6/15/2005	586.63	6.69	579.94
MW-3	7/21/2004	586.10	12.20	573.90
MW-3	8/17/2004	586.10	13.62	572.48
MW-3	9/23/2004	586.10	14.85	571.25
MW-3	10/29/2004	586.10	13.06	573.04
MW-3	11/24/2004	586.10	12.34	573.76
MW-3	12/29/2004	586.10	5.53	580.57
MW-3	1/28/2005	586.10	4.47	581.63
MW-3	2/28/2005	586.10	4.62	581.48
MW-3	3/16/2005	586.10	4.55	581.55
MW-3	4/19/2005	586.10	4.44	581.66
MW-3	5/24/2005	586.10	3.41	582.69
MW-3	6/15/2005	586.10	6.23	579.87
MW-4	7/21/2004	584.47	10.91	573.56
MW-4	8/17/2004	584.47	12.34	572.13
MW-4	9/23/2004	584.47	13.54	570.93
MW-4	10/29/2004	584.47	11.76	572.71
MW-4	11/24/2004	584.47	11.13	573.34
MW-4	12/29/2004	584.47	4.39	580.08
MW-4	1/28/2005	584.47	5.32	579.15
MW-4	2/28/2005	584.47	5.46	579.01
MW-4	3/16/2005	584.47	5.39	579.08
MW-4	4/19/2005	584.47	5.28	579.19
MW-4	5/24/2005	584.47	4.39	580.08
MW-4	6/15/2005	584.47	5.44	579.03
MW-5	7/21/2004	584.49	10.62	573.87
MW-5	8/17/2004	584.49	12.06	572.43
MW-5	9/23/2004	584.49	13.31	571.18
MW-5	10/29/2004	584.49	11.55	572.94
MW-5	11/24/2004	584.49	10.83	573.66
MW-5	12/29/2004	584.49	4.39	580.10
MW-5	1/28/2005	584.49	3.79	580.70
MW-5	2/28/2005	584.49	3.93	580.56
MW-5	3/16/2005	584.49	3.86	580.63
MW-5	4/19/2005	584.49	3.76	580.73
MW-5	5/24/2005	584.49	2.82	581.67
MW-5	6/15/2005	584.49	4.69	579.80
MW-6	7/21/2004	584.35	10.61	573.74
MW-6	8/17/2004	584.35	12.09	572.26
MW-6	9/23/2004	584.35	13.31	571.04
MW-6	10/29/2004	584.35	11.56	572.79
MW-6	11/24/2004	584.35	10.80	573.55
MW-6	12/29/2004	584.35	4.15	580.20
MW-6	1/28/2005	584.35	4.00	580.35
MW-6	2/28/2005	584.35	4.15	580.20
MW-6	3/16/2005	584.35	4.09	580.26
MW-6	4/19/2005	584.35	4.00	580.35
MW-6	5/24/2005	584.35	3.04	581.31
MW-6	6/15/2005	584.35	4.88	579.47

TABLE 2
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS, MONITORING WELLS & DOMESTIC WELLS, Q2 2005
D&G Automotive
615 Talmage Road
Ukiah, California

Monitoring Well ID	Date	TPH G EPA 8015M mg/L	TPH D EPA 8015M mg/L	TPH MO EPA 8015M mg/L	B EPA 8260B µg/L	T EPA 8260B µg/L	E EPA 8260B µg/L	X EPA 8260B µg/L	MTBE EPA 8260B µg/L	EDC EPA 8260B µg/L	Other EPA 8260B Full List EPA 8260B µg/L
MW-1	6/10/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-1	9/23/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-1	12/30/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-1	3/16/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-1	6/15/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-2	6/10/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-2	9/23/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-2	12/30/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-2	3/16/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-2	6/15/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-3	6/10/2004	190	*81	ND	1.4	ND	6.8	13	ND	2.8	**ND
MW-3	9/23/2004	85	ND	ND	1.2	ND	2.7	ND	ND	3.9	**ND
MW-3	12/30/2004	490	ND	ND	5.9	ND	11	1.5	ND	4.4	**ND
MW-3	3/16/2005	320	*130	ND	3.3	ND	8.3	12	ND	3.8	**ND
MW-3	6/15/2005	140	*140	ND	2.4	ND	9.5	17	ND	3.4	**ND
MW-4	6/10/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-4	9/23/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-4	12/30/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-4	3/16/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-4	6/15/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-5	6/10/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-5	9/23/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-5	12/30/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-5	3/16/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-5	6/15/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-6	6/10/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-6	9/23/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-6	12/30/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-6	3/16/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-6	6/15/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DW-D&G	6/10/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DW-D&G	9/23/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DW-D&G	12/30/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DW-D&G	3/16/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DW-D&G	6/15/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DW-Ramada	9/23/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TPH G = Total Petroleum Hydrocarbons quantified as Gasoline

TPH D = Total Petroleum Hydrocarbons quantified as Diesel

TPH MO = TPH quantified as Motor Oil

B = Benzene, T = Toluene, E = Ethyl benzene, X = Xylenes

Gasoline Additives = TBA, MTBE, DIPE, ETBE, & TAME

EDC = 1,2-dichloroethane

TBA=tert-butyl alcohol, MTBE=tert-butyl ether, DIPE=di-isopropyl ether, ETBE=ethyl tert-butyl ether, TAME=tert-amyl methyl ether

*140 = The sample does not exhibit a chromatographic pattern characteristic of diesel. Higher boiling point components of weathered gasoline are present.

**ND = Non-Detect at or above the laboratory reporting limits for Full List EPA 8260 Compounds, other than BTEX, and MTBE, and EDC (listed separately) except as indicated in the attached lab report.

mg/l (micrograms per liter) = ppm (parts per million)

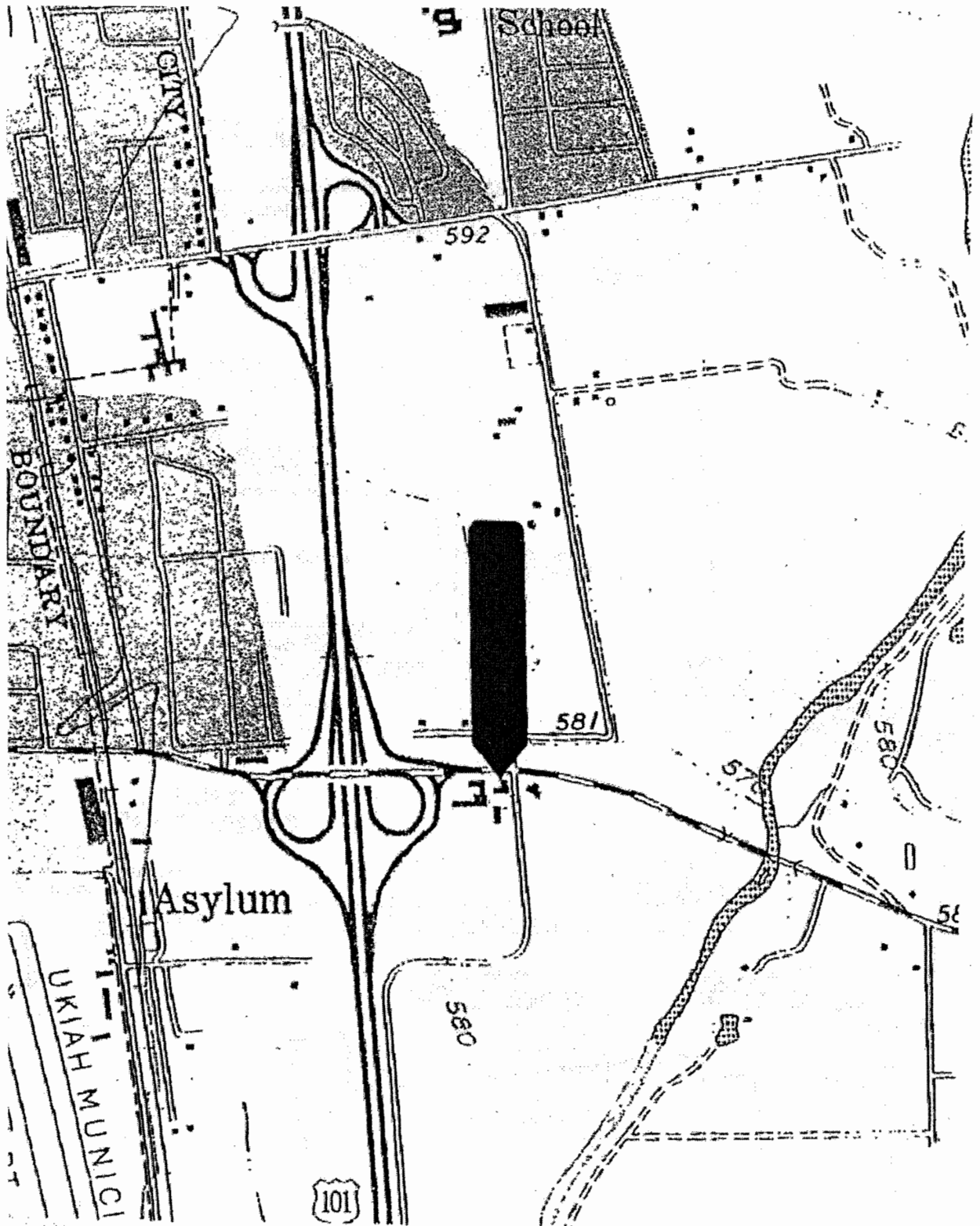
µg/l (micrograms per liter) = ppb (parts per billion)

ND = Not Detected at the Laboratory Reporting Limit

NT = Not Tested

See Laboratory Reports for additional notes and QA/QC data.

PLATES



0 60
NO SCALE

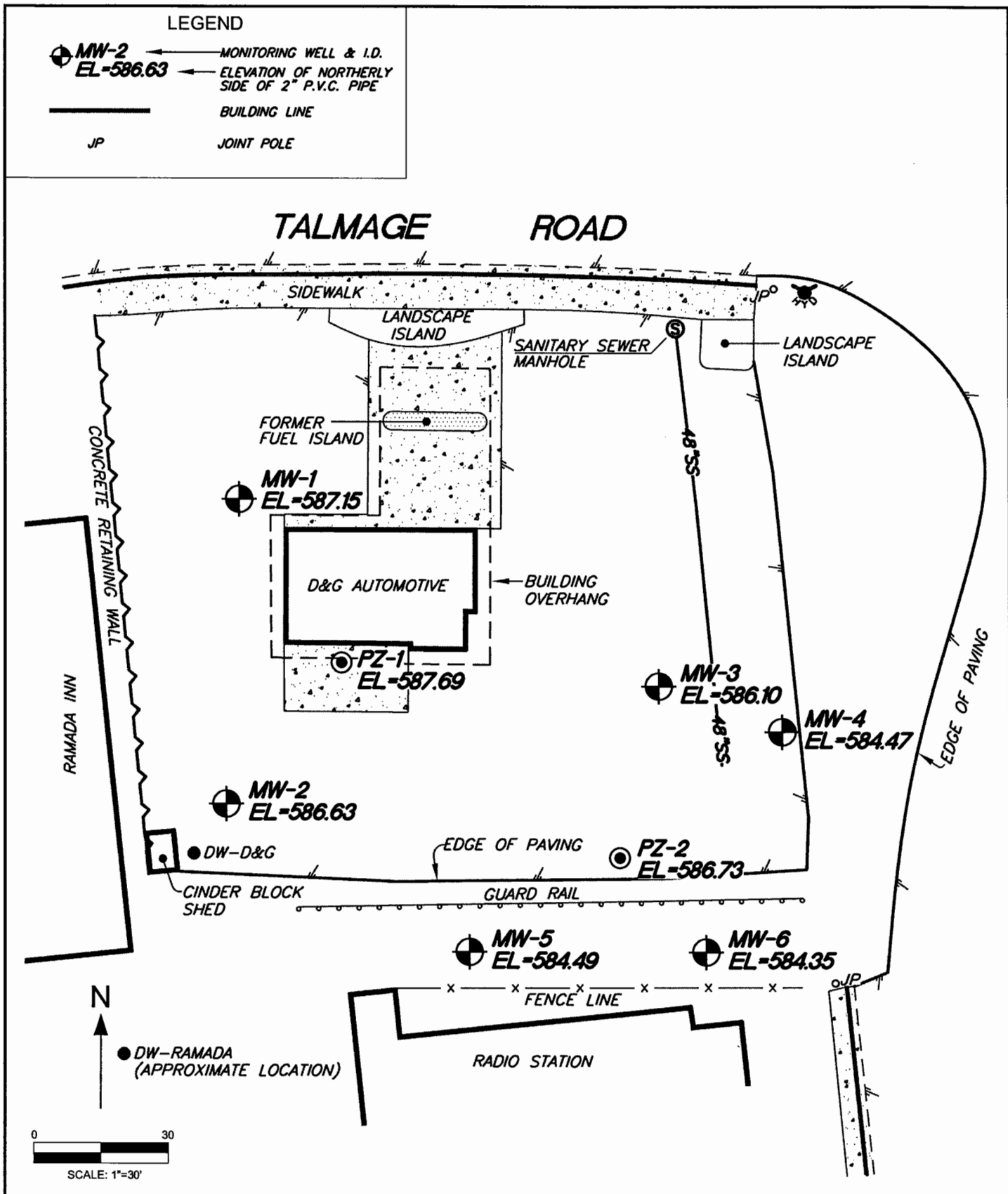
Drafted By: *Tom Lion*

Date: *July 19, 2005*

LION Enviro-Geotech
129 N. Cloverdale Blvd., #7
Cloverdale, California 95425

D&G AUTOMOTIVE
615 TALMAGE ROAD
UKIAH, CALIFORNIA

PLATE 1
VICINITY MAP



Drafted By: Tom Lion

Date: July 19, 2005

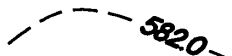
LION Enviro-Geotech
129 N. Cloverdale Blvd., #7
Cloverdale, California 95425

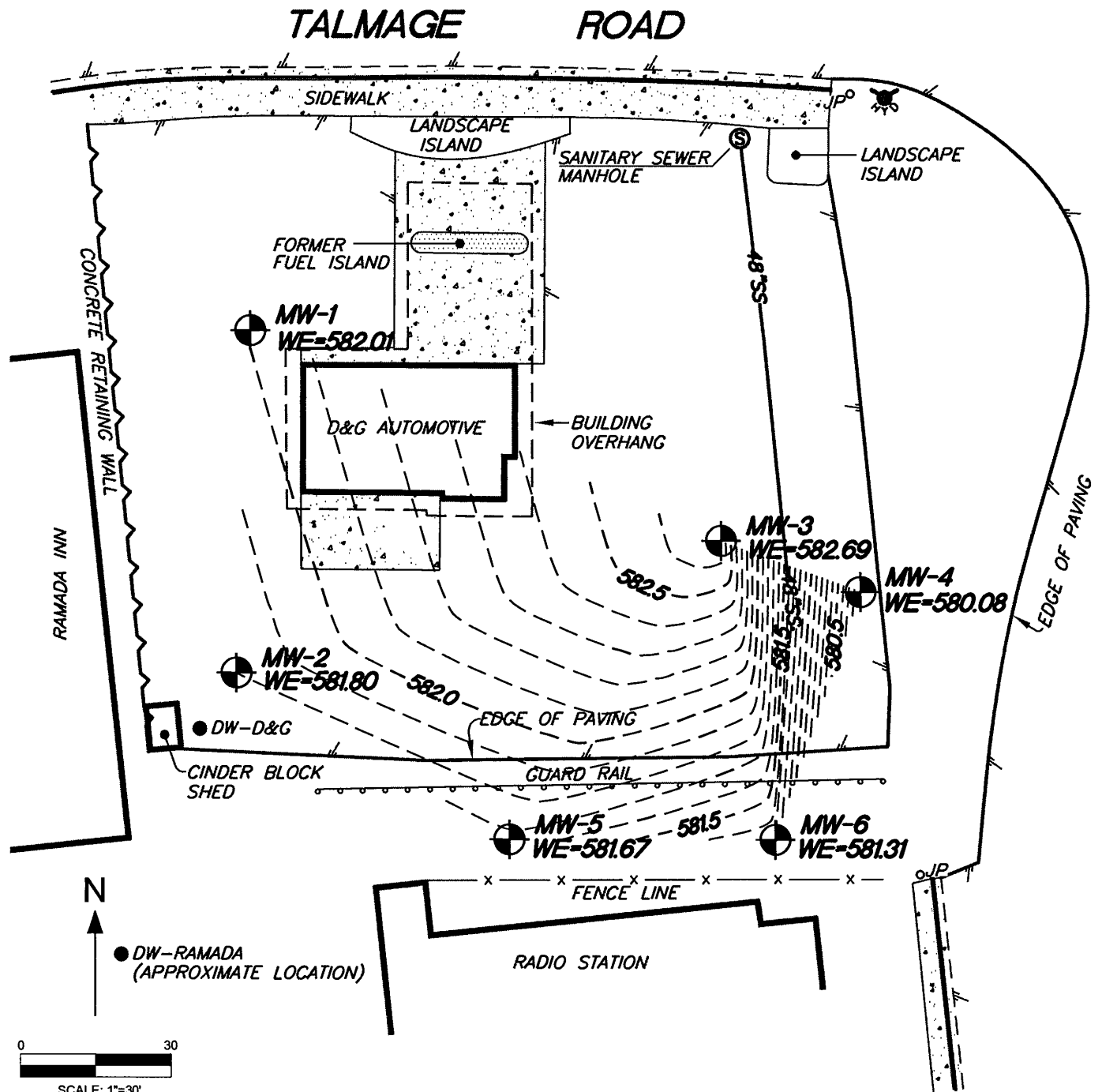
D&G AUTOMOTIVE
615 TALMAGE ROAD
UKIAH, CALIFORNIA

PLATE 2
SITE PLAN

LEGEND

 **MW-2** ← MONITORING WELL & I.D.
WE-581.80 ← ELEVATION OF GROUNDWATER

 **582.0** ← GROUNDWATER CONTOUR
 0.1' CONTOUR INTERVAL



Drafted By: Tom Lion

Date: July 19, 2005

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 Cloverdale, California 95425

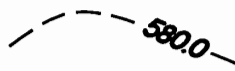
D&G AUTOMOTIVE
 615 TALMAGE ROAD
 UKIAH, CALIFORNIA

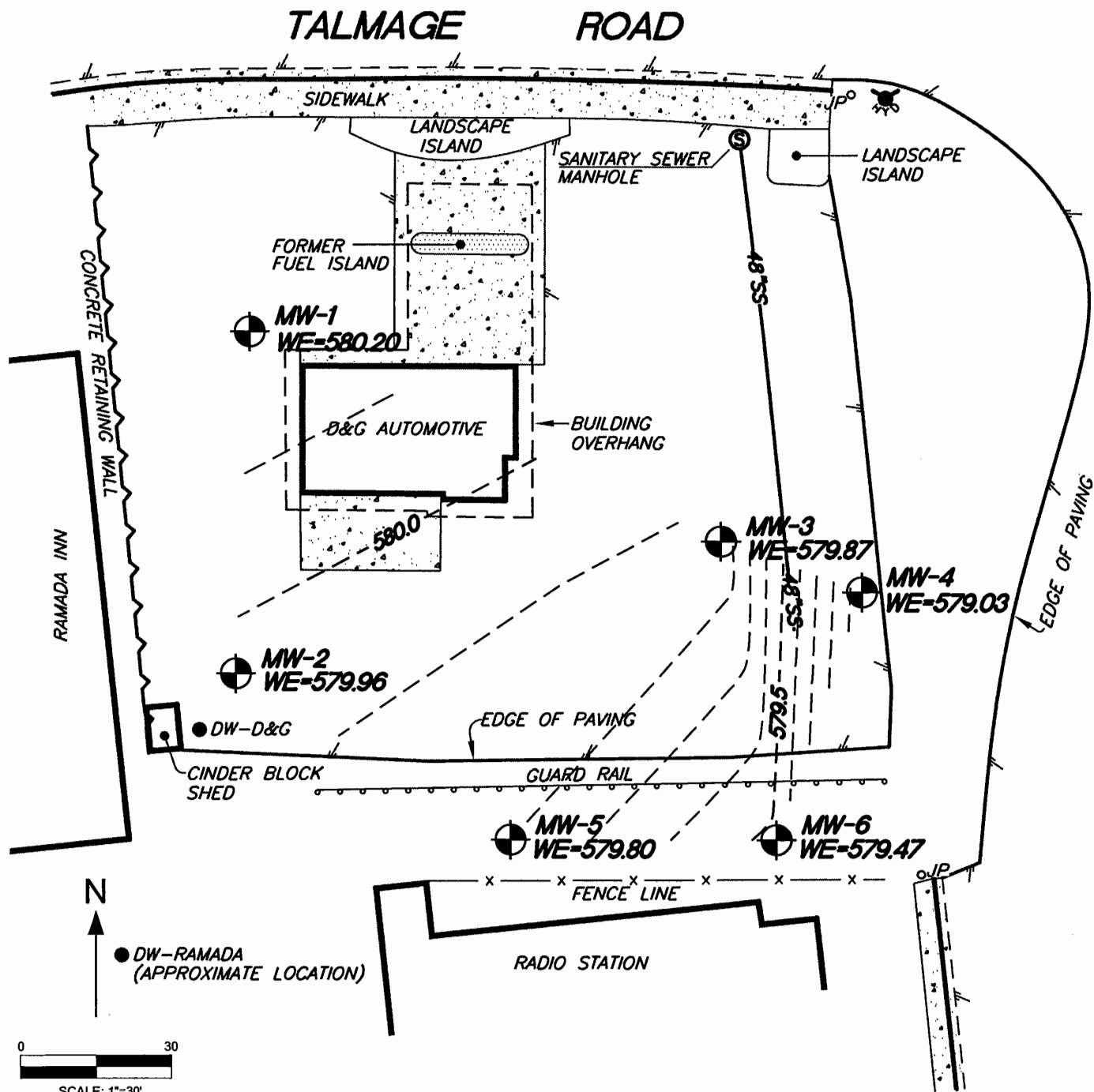
PLATE 4

**GROUNDWATER ELEVATION
 CONTOUR MAP 5/24/2005**

LEGEND

 **MW-2** ← MONITORING WELL & I.D.
WE-579.96 ← ELEVATION OF GROUNDWATER

 **580.0** ← GROUNDWATER CONTOUR
 0.1' CONTOUR INTERVAL



Drafted By: Tom Lion

Date: July 19, 2005

LION Enviro-Geotech
 129 N. Cloverdale Blvd., #7
 Cloverdale, California 95425

D&G AUTOMOTIVE
 615 TALMAGE ROAD
 UKIAH, CALIFORNIA

PLATE 5

**GROUNDWATER ELEVATION
 CONTOUR MAP 6/15/2005**

APPENDIX A

Groundwater Sampling Field Form

June 15, 2006

Groundwater Sampling Form, Q2 2005
D&G Automotive
615 Talmage Road
Ukiah, California

Parameter	Units	MW1	MW2	MW3	MW4	MW5	MW6
Top of Casing Elevation	Feet	587.15	585.63	586.1	584.47	584.49	584.35
Depth to Water	Feet	6.95	6.69	6.23	5.44	4.69	4.88
Elevation to Water	Feet	580.20	578.94	579.87	579.03	579.80	579.47
Bottom of Casing Elevation	Feet	566.65	565.13	565.6	563.97	563.99	563.85
Height of Water Column	Feet	13.55	13.81	14.27	15.06	15.81	15.62
Volume/Gallons Lineal Feet-2" Diameter Well	Gallons/Ft	0.17	0.17	0.17	0.17	0.17	0.17
Volume/Gallons Lineal Feet-4" Diameter Well	Gallons/Ft	--	--	--	--	--	--
One Well Volume	Gallons	2.30	2.35	2.43	2.56	2.69	2.66
Three Well Volumes	Gallons	6.91	7.04	7.28	7.68	8.06	7.97
Start Time of Purge	Minutes	18:00	18:30	20:00	19:30	19:00	19:30
Finish Time of Purge	Minutes	18:15	18:45	20:15	19:46	19:16	19:46
Total Time of Purge	Minutes	15	15	15	16	16	16
Total Gallons Purged	Gallons	7.5	7.5	8	8.5	8	8.5
Number Well Volumes Purged		3.3	3.2	3.3	3.3	3.0	3.2
Stabilized Water Temperature	Degrees C	13.4	13.3	23.2	13.5	13.4	13.5
Stabilized pH		6.95	6.99	6.67	6.97	6.91	6.89
Stabilized Conductivity	uS	115	122	345	129	104	127
Sample Time	Military	21:00	21:10	22:00	21:40	21:20	21:30

Comments: No free product or sheen in purge water prior to sampling, and no hydrocarbon odors in purge water prior to sampling, except for patchy sheen and gasoline odors in well MW3.

Sampled By: Tom Lion Date Sampled: 6/15/05

APPENDIX B

Analytical Sciences Laboratory Report, dated June 29, 2005

Lab Project #5061611



Report Date: June 29, 2005

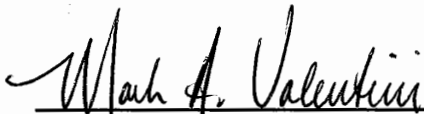
Tom Lion
LION Enviro-Geotech
129 North Cloverdale Boulevard, #7
Cloverdale, CA 95425

LABORATORY REPORT

Project Name: **D&G Automotive** **1097.01.01**

Lab Project Number: **5061611**

This 22 page report of analytical data has been reviewed and approved for release.



Mark A. Valentini, Ph.D.
Laboratory Director



TPH Gasoline in Water

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
30263	MW-1	TPH/Gasoline	ND	50

Date Sampled: 06/15/05	Date Analyzed: 06/17/04	QC Batch #: 5594
Date Received: 06/16/05	Method: EPA 5030/8015M	

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
30264	MW-2	TPH/Gasoline	ND	50

Date Sampled: 06/15/05	Date Analyzed: 06/17/04	QC Batch #: 5594
Date Received: 06/16/05	Method: EPA 5030/8015M	

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
30265	MW-3	TPH/Gasoline	140	50

Date Sampled: 06/15/05	Date Analyzed: 06/17/04	QC Batch #: 5594
Date Received: 06/16/05	Method: EPA 5030/8015M	

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
30266	MW-4	TPH/Gasoline	ND	50

Date Sampled: 06/15/05	Date Analyzed: 06/17/04	QC Batch #: 5594
Date Received: 06/16/05	Method: EPA 5030/8015M	



<u>Lab #</u>	<u>Sample ID</u>	<u>Analysis</u>	<u>Result (ug/L)</u>	<u>RDL (ug/L)</u>
30267	MW-5	TPH/Gasoline	ND	50

Date Sampled: 06/15/05	Date Analyzed: 06/17/04	QC Batch #: 5594
Date Received: 06/16/05	Method: EPA 5030/8015M	

<u>Lab #</u>	<u>Sample ID</u>	<u>Analysis</u>	<u>Result (ug/L)</u>	<u>RDL (ug/L)</u>
30268	MW-6	TPH/Gasoline	ND	50

Date Sampled: 06/15/05	Date Analyzed: 06/17/04	QC Batch #: 5594
Date Received: 06/16/05	Method: EPA 5030/8015M	

<u>Lab #</u>	<u>Sample ID</u>	<u>Analysis</u>	<u>Result (ug/L)</u>	<u>RDL (ug/L)</u>
30269	DW-D&G	TPH/Gasoline	ND	50

Date Sampled: 06/15/05	Date Analyzed: 06/17/04	QC Batch #: 5594
Date Received: 06/16/05	Method: EPA 5030/8015M	



TPH Diesel & Motor Oil in Water

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
30263	MW-1	TPH/Diesel Motor Oil	ND ND	50 200

Date Sampled: 06/15/05
Date Received: 06/16/05

Date Extracted: 06/20/05
Date Analyzed: 06/20/05

QC Batch #: 5600
Method: EPA 3510/8015M

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
30264	MW-2	TPH/Diesel Motor Oil	ND ND	50 200

Date Sampled: 06/15/05
Date Received: 06/16/05

Date Extracted: 06/20/05
Date Analyzed: 06/20/05

QC Batch #: 5600
Method: EPA 3510/8015M

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
30265	MW-3	TPH/Diesel Motor Oil	140 (1) ND	50 200

Date Sampled: 06/15/05
Date Received: 06/16/05

Date Extracted: 06/20/05
Date Analyzed: 06/20/05

QC Batch #: 5600
Method: EPA 3510/8015M

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
30266	MW-4	TPH/Diesel Motor Oil	ND ND	50 200

Date Sampled: 06/15/05
Date Received: 06/16/05

Date Extracted: 06/20/05
Date Analyzed: 06/20/05

QC Batch #: 5600
Method: EPA 3510/8015M

(1) The sample does not exhibit a chromatographic pattern characteristic of diesel. Higher boiling components of weathered gasoline are present.



<u>Lab #</u>	<u>Sample ID</u>	<u>Analysis</u>	<u>Result (ug/L)</u>	<u>RDL (ug/L)</u>
30267	MW-5	TPH/Diesel Motor Oil	ND ND	50 200

Date Sampled: 06/15/05	Date Extracted: 06/20/05	QC Batch #: 5600
Date Received: 06/16/05	Date Analyzed: 06/20/05	Method: EPA 3510/8015M

<u>Lab #</u>	<u>Sample ID</u>	<u>Analysis</u>	<u>Result (ug/L)</u>	<u>RDL (ug/L)</u>
30268	MW-6	TPH/Diesel Motor Oil	ND ND	50 200

Date Sampled: 06/15/05	Date Extracted: 06/20/05	QC Batch #: 5600
Date Received: 06/16/05	Date Analyzed: 06/20/05	Method: EPA 3510/8015M

<u>Lab #</u>	<u>Sample ID</u>	<u>Analysis</u>	<u>Result (ug/L)</u>	<u>RDL (ug/L)</u>
30269	DW-D&G	TPH/Diesel Motor Oil	ND ND	50 200

Date Sampled: 06/15/05	Date Extracted: 06/20/05	QC Batch #: 5600
Date Received: 06/16/05	Date Analyzed: 06/20/05	Method: EPA 3510/8015M



Volatile Hydrocarbons by GC/MS in Water

Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
30263	MW-1	dichlorodifluoromethane	ND	1.0
		chloromethane	ND	1.0
		vinyl chloride	ND	1.0
		chloroethane	ND	1.0
		bromomethane	ND	1.0
		trichlorofluoromethane	ND	1.0
		1,1-dichloroethene (1,1-DCE)	ND	1.0
		methylene chloride	ND	1.0
		trans-1,2-dichloroethene (trans-1,2-DCE)	ND	1.0
		1,1-dichloroethane (1,1-DCA)	ND	1.0
		cis-1,2-dichloroethene (cis-1,2-DCE)	ND	1.0
		2,2-dichloropropane	ND	1.0
		chloroform (THM1)	ND	1.0
		bromochloromethane	ND	1.0
		1,1,1-trichloroethane (TCA)	ND	1.0
		1,2-dichloroethane (EDC)	ND	1.0
		1,1-dichloropropene	ND	1.0
		carbon tetrachloride	ND	1.0
		benzene	ND	1.0
		trichloroethene (TCE)	ND	1.0
		1,2-dichloropropane (DCP)	ND	1.0
		dibromomethane	ND	1.0
		bromodichloromethane (THM2)	ND	1.0
		cis-1,3-dichloropropene	ND	1.0
		toluene	ND	1.0
		1,1,2-trichloroethane	ND	1.0
		1,3-dichloropropane	ND	1.0
		dibromochloromethane (THM3)	ND	1.0
		tetrachloroethene (PCE)	ND	1.0
		1,2-dibromoethane (EDB)	ND	1.0
		chlorobenzene	ND	1.0
		1,1,1,2-tetrachloroethane	ND	1.0
		ethyl benzene	ND	1.0
		m,p-xylene	ND	1.0
		styrene	ND	1.0
		o-xylene	ND	1.0
		bromoform (THM4)	ND	1.0
		1,1,2,2-tetrachloroethane	ND	1.0



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
30263	MW-1	isopropyl benzene	ND	1.0
		1,2,3-trichloropropane	ND	1.0
		bromobenzene	ND	1.0
		n-propyl benzene	ND	1.0
		2-chlorotoluene	ND	1.0
		4-chlorotoluene	ND	1.0
		1,3,5-trimethylbenzene	ND	1.0
		tert-butylbenzene	ND	1.0
		1,2,4-trimethylbenzene	ND	1.0
		sec-butylbenzene	ND	1.0
		1,3-dichlorobenzene	ND	1.0
		1,4-dichlorobenzene	ND	1.0
		1,2-dichlorobenzene	ND	1.0
		p-isopropyltoluene	ND	1.0
		n-butylbenzene	ND	1.0
		1,2,4-trichlorobenzene	ND	1.0
		naphthalene	ND	1.0
		hexachlorobutadiene	ND	1.0
		1,2,3-trichlorobenzene	ND	1.0
Oxygenated Gasoline Additives				
		tert-butyl alcohol (TBA)	ND	25
		methyl tert-butyl ether (MTBE)	ND	1.0
		di-isopropyl ether (DIPE)	ND	1.0
		ethyl tert-butyl ether (ETBE)	ND	1.0
		tert-amyl methyl ether (TAME)	ND	1.0
Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)	
dibromofluoromethane (20)	20.5	103	70 – 130	
toluene-d ₈ (20)	19.8	99.0	70 – 130	
4-bromofluorobenzene (20)	19.3	96.5	70 – 130	

Date Sampled: 06/15/05
Date Received: 06/16/05

Date Analyzed: 06/20/05
Method: EPA 8260B

QC Batch #: 5602



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
30264	MW-2	dichlorodifluoromethane	ND	1.0
		chloromethane	ND	1.0
		vinyl chloride	ND	1.0
		chloroethane	ND	1.0
		bromomethane	ND	1.0
		trichlorofluoromethane	ND	1.0
		1,1-dichloroethene (1,1-DCE)	ND	1.0
		methylene chloride	ND	1.0
		trans-1,2-dichloroethene (trans-1,2-DCE)	ND	1.0
		1,1-dichloroethane (1,1-DCA)	ND	1.0
		cis-1,2-dichloroethene (cis-1,2-DCE)	ND	1.0
		2,2-dichloropropane	ND	1.0
		chloroform (THM1)	ND	1.0
		bromochloromethane	ND	1.0
		1,1,1-trichloroethane (TCA)	ND	1.0
		1,2-dichloroethane (EDC)	ND	1.0
		1,1-dichloropropene	ND	1.0
		carbon tetrachloride	ND	1.0
		benzene	ND	1.0
		trichloroethene (TCE)	ND	1.0
		1,2-dichloropropane (DCP)	ND	1.0
		dibromomethane	ND	1.0
		bromodichloromethane (THM2)	ND	1.0
		cis-1,3-dichloropropene	ND	1.0
		toluene	ND	1.0
		1,1,2-trichloroethane	ND	1.0
		1,3-dichloropropane	ND	1.0
		dibromochloromethane (THM3)	ND	1.0
		tetrachloroethene (PCE)	ND	1.0
		1,2-dibromoethane (EDB)	ND	1.0
		chlorobenzene	ND	1.0
		1,1,1,2-tetrachloroethane	ND	1.0
		ethyl benzene	ND	1.0
		m,p-xylene	ND	1.0
		styrene	ND	1.0
		o-xylene	ND	1.0
		bromoform (THM4)	ND	1.0
		1,1,2,2-tetrachloroethane	ND	1.0



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
30264	MW-2	isopropyl benzene	ND	1.0
		1,2,3-trichloropropane	ND	1.0
		bromobenzene	ND	1.0
		n-propyl benzene	ND	1.0
		2-chlorotoluene	ND	1.0
		4-chlorotoluene	ND	1.0
		1,3,5-trimethylbenzene	ND	1.0
		tert-butylbenzene	ND	1.0
		1,2,4-trimethylbenzene	ND	1.0
		sec-butylbenzene	ND	1.0
		1,3-dichlorobenzene	ND	1.0
		1,4-dichlorobenzene	ND	1.0
		1,2-dichlorobenzene	ND	1.0
		p-isopropyltoluene	ND	1.0
		n-butylbenzene	ND	1.0
		1,2,4-trichlorobenzene	ND	1.0
		naphthalene	ND	1.0
		hexachlorobutadiene	ND	1.0
		1,2,3-trichlorobenzene	ND	1.0

Oxygenated Gasoline Additives

tert-butyl alcohol (TBA)	ND	25
methyl tert-butyl ether (MTBE)	ND	1.0
di-isopropyl ether (DIPE)	ND	1.0
ethyl tert-butyl ether (ETBE)	ND	1.0
tert-amyl methyl ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	19.4	97.0	70 – 130
toluene-d ₈ (20)	18.9	94.5	70 – 130
4-bromofluorobenzene (20)	18.2	91.0	70 – 130

Date Sampled: 06/15/05
Date Received: 06/16/05

Date Analyzed: 06/20/05
Method: EPA 8260B

QC Batch #: 5602



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
30265	MW-3	dichlorodifluoromethane	ND	1.0
		chloromethane	ND	1.0
		vinyl chloride	ND	1.0
		chloroethane	ND	1.0
		bromomethane	ND	1.0
		trichlorofluoromethane	ND	1.0
		1,1-dichloroethene (1,1-DCE)	ND	1.0
		methylene chloride	ND	1.0
		trans-1,2-dichloroethene (trans-1,2-DCE)	ND	1.0
		1,1-dichloroethane (1,1-DCA)	ND	1.0
		cis-1,2-dichloroethene (cis-1,2-DCE)	ND	1.0
		2,2-dichloropropane	ND	1.0
		chloroform (THM1)	ND	1.0
		bromochloromethane	ND	1.0
		1,1,1-trichloroethane (TCA)	ND	1.0
		1,2-dichloroethane (EDC)	3.4	1.0
		1,1-dichloropropene	ND	1.0
		carbon tetrachloride	ND	1.0
		benzene	2.4	1.0
		trichloroethene (TCE)	ND	1.0
		1,2-dichloropropane (DCP)	ND	1.0
		dibromomethane	ND	1.0
		bromodichloromethane (THM2)	ND	1.0
		cis-1,3-dichloropropene	ND	1.0
		toluene	ND	1.0
		1,1,2-trichloroethane	ND	1.0
		1,3-dichloropropane	ND	1.0
		dibromochloromethane (THM3)	ND	1.0
		tetrachloroethene (PCE)	ND	1.0
		1,2-dibromoethane (EDB)	ND	1.0
		chlorobenzene	ND	1.0
		1,1,1,2-tetrachloroethane	ND	1.0
		ethyl benzene	9.5	1.0
		m,p-xylene	17	1.0
		styrene	ND	1.0
		o-xylene	ND	1.0
		bromoform (THM4)	ND	1.0
		1,1,2,2-tetrachloroethane	ND	1.0



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
30265	MW-3	isopropyl benzene	2.2	1.0
		1,2,3-trichloropropane	ND	1.0
		bromobenzene	ND	1.0
		n-propyl benzene	5.4	1.0
		2-chlorotoluene	ND	1.0
		4-chlorotoluene	ND	1.0
		1,3,5-trimethylbenzene	2.7	1.0
		tert-butylbenzene	ND	1.0
		1,2,4-trimethylbenzene	14	1.0
		sec-butylbenzene	ND	1.0
		1,3-dichlorobenzene	ND	1.0
		1,4-dichlorobenzene	ND	1.0
		1,2-dichlorobenzene	ND	1.0
		p-isopropyltoluene	ND	1.0
		n-butylbenzene	1.3	1.0
		1,2,4-trichlorobenzene	ND	1.0
		naphthalene	2.7	1.0
		hexachlorobutadiene	ND	1.0
		1,2,3-trichlorobenzene	ND	1.0

Oxygenated Gasoline Additives

tert-butyl alcohol (TBA)	ND	25
methyl tert-butyl ether (MTBE)	ND	1.0
di-isopropyl ether (DIPE)	ND	1.0
ethyl tert-butyl ether (ETBE)	ND	1.0
tert-amyl methyl ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	20.2	101	70 – 130
toluene-d ₈ (20)	19.3	96.5	70 – 130
4-bromofluorobenzene (20)	18.6	93.0	70 – 130

Date Sampled: 06/15/05
Date Received: 06/16/05

Date Analyzed: 06/20/05
Method: EPA 8260B

QC Batch #: 5602



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
30266	MW-4	dichlorodifluoromethane	ND	1.0
		chloromethane	ND	1.0
		vinyl chloride	ND	1.0
		chloroethane	ND	1.0
		bromomethane	ND	1.0
		trichlorofluoromethane	ND	1.0
		1,1-dichloroethene (1,1-DCE)	ND	1.0
		methylene chloride	ND	1.0
		trans-1,2-dichloroethene (trans-1,2-DCE)	ND	1.0
		1,1-dichloroethane (1,1-DCA)	ND	1.0
		cis-1,2-dichloroethene (cis-1,2-DCE)	ND	1.0
		2,2-dichloropropane	ND	1.0
		chloroform (THM1)	ND	1.0
		bromochloromethane	ND	1.0
		1,1,1-trichloroethane (TCA)	ND	1.0
		1,2-dichloroethane (EDC)	ND	1.0
		1,1-dichloropropene	ND	1.0
		carbon tetrachloride	ND	1.0
		benzene	ND	1.0
		trichloroethene (TCE)	ND	1.0
		1,2-dichloropropane (DCP)	ND	1.0
		dibromomethane	ND	1.0
		bromodichloromethane (THM2)	ND	1.0
		cis-1,3-dichloropropene	ND	1.0
		toluene	ND	1.0
		1,1,2-trichloroethane	ND	1.0
		1,3-dichloropropane	ND	1.0
		dibromochloromethane (THM3)	ND	1.0
		tetrachloroethene (PCE)	ND	1.0
		1,2-dibromoethane (EDB)	ND	1.0
		chlorobenzene	ND	1.0
		1,1,1,2-tetrachloroethane	ND	1.0
		ethyl benzene	ND	1.0
		m,p-xylene	ND	1.0
		styrene	ND	1.0
		o-xylene	ND	1.0
		bromoform (THM4)	ND	1.0
		1,1,2,2-tetrachloroethane	ND	1.0



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
30266	MW-4	isopropyl benzene	ND	1.0
		1,2,3-trichloropropane	ND	1.0
		bromobenzene	ND	1.0
		n-propyl benzene	ND	1.0
		2-chlorotoluene	ND	1.0
		4-chlorotoluene	ND	1.0
		1,3,5-trimethylbenzene	ND	1.0
		tert-butylbenzene	ND	1.0
		1,2,4-trimethylbenzene	ND	1.0
		sec-butylbenzene	ND	1.0
		1,3-dichlorobenzene	ND	1.0
		1,4-dichlorobenzene	ND	1.0
		1,2-dichlorobenzene	ND	1.0
		p-isopropyltoluene	ND	1.0
		n-butylbenzene	ND	1.0
		1,2,4-trichlorobenzene	ND	1.0
		naphthalene	ND	1.0
		hexachlorobutadiene	ND	1.0
		1,2,3-trichlorobenzene	ND	1.0

Oxygenated Gasoline Additives

tert-butyl alcohol (TBA)	ND	25
methyl tert-butyl ether (MTBE)	ND	1.0
di-isopropyl ether (DIPE)	ND	1.0
ethyl tert-butyl ether (ETBE)	ND	1.0
tert-amyl methyl ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	19.8	99.0	70 – 130
toluene-d ₈ (20)	19.1	95.5	70 – 130
4-bromofluorobenzene (20)	18.4	92.0	70 – 130

Date Sampled: 06/15/05
Date Received: 06/16/05

Date Analyzed: 06/20/05
Method: EPA 8260B

QC Batch #: 5602



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
30267	MW-5	dichlorodifluoromethane	ND	1.0
		chloromethane	ND	1.0
		vinyl chloride	ND	1.0
		chloroethane	ND	1.0
		bromomethane	ND	1.0
		trichlorofluoromethane	ND	1.0
		1,1-dichloroethene (1,1-DCE)	ND	1.0
		methylene chloride	ND	1.0
		trans-1,2-dichloroethene (trans-1,2-DCE)	ND	1.0
		1,1-dichloroethane (1,1-DCA)	ND	1.0
		cis-1,2-dichloroethene (cis-1,2-DCE)	ND	1.0
		2,2-dichloropropane	ND	1.0
		chloroform (THM1)	ND	1.0
		bromochloromethane	ND	1.0
		1,1,1-trichloroethane (TCA)	ND	1.0
		1,2-dichloroethane (EDC)	ND	1.0
		1,1-dichloropropene	ND	1.0
		carbon tetrachloride	ND	1.0
		benzene	ND	1.0
		trichloroethene (TCE)	ND	1.0
		1,2-dichloropropane (DCP)	ND	1.0
		dibromomethane	ND	1.0
		bromodichloromethane (THM2)	ND	1.0
		cis-1,3-dichloropropene	ND	1.0
		toluene	ND	1.0
		1,1,2-trichloroethane	ND	1.0
		1,3-dichloropropane	ND	1.0
		dibromochloromethane (THM3)	ND	1.0
		tetrachloroethene (PCE)	ND	1.0
		1,2-dibromoethane (EDB)	ND	1.0
		chlorobenzene	ND	1.0
		1,1,1,2-tetrachloroethane	ND	1.0
		ethyl benzene	ND	1.0
		m,p-xylene	ND	1.0
		styrene	ND	1.0
		o-xylene	ND	1.0
		bromoform (THM4)	ND	1.0
		1,1,2,2-tetrachloroethane	ND	1.0



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
30267	MW-5	isopropyl benzene	ND	1.0
		1,2,3-trichloropropane	ND	1.0
		bromobenzene	ND	1.0
		n-propyl benzene	ND	1.0
		2-chlorotoluene	ND	1.0
		4-chlorotoluene	ND	1.0
		1,3,5-trimethylbenzene	ND	1.0
		tert-butylbenzene	ND	1.0
		1,2,4-trimethylbenzene	ND	1.0
		sec-butylbenzene	ND	1.0
		1,3-dichlorobenzene	ND	1.0
		1,4-dichlorobenzene	ND	1.0
		1,2-dichlorobenzene	ND	1.0
		p-isopropyltoluene	ND	1.0
		n-butylbenzene	ND	1.0
		1,2,4-trichlorobenzene	ND	1.0
		naphthalene	ND	1.0
		hexachlorobutadiene	ND	1.0
		1,2,3-trichlorobenzene	ND	1.0

Oxygenated Gasoline Additives

tert-butyl alcohol (TBA)	ND	25
methyl tert-butyl ether (MTBE)	ND	1.0
di-isopropyl ether (DIPE)	ND	1.0
ethyl tert-butyl ether (ETBE)	ND	1.0
tert-amyl methyl ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	20.0	100	70 – 130
toluene-d ₈ (20)	19.1	95.5	70 – 130
4-bromofluorobenzene (20)	18.4	92.0	70 – 130

Date Sampled: 06/15/05
Date Received: 06/16/05

Date Analyzed: 06/20/05
Method: EPA 8260B

QC Batch #: 5602



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
30268	MW-6	dichlorodifluoromethane	ND	1.0
		chloromethane	ND	1.0
		vinyl chloride	ND	1.0
		chloroethane	ND	1.0
		bromomethane	ND	1.0
		trichlorofluoromethane	ND	1.0
		1,1-dichloroethene (1,1-DCE)	ND	1.0
		methylene chloride	ND	1.0
		trans-1,2-dichloroethene (trans-1,2-DCE)	ND	1.0
		1,1-dichloroethane (1,1-DCA)	ND	1.0
		cis-1,2-dichloroethene (cis-1,2-DCE)	ND	1.0
		2,2-dichloropropane	ND	1.0
		chloroform (THM1)	ND	1.0
		bromochloromethane	ND	1.0
		1,1,1-trichloroethane (TCA)	ND	1.0
		1,2-dichloroethane (EDC)	ND	1.0
		1,1-dichloropropene	ND	1.0
		carbon tetrachloride	ND	1.0
		benzene	ND	1.0
		trichloroethene (TCE)	ND	1.0
		1,2-dichloropropane (DCP)	ND	1.0
		dibromomethane	ND	1.0
		bromodichloromethane (THM2)	ND	1.0
		cis-1,3-dichloropropene	ND	1.0
		toluene	ND	1.0
		1,1,2-trichloroethane	ND	1.0
		1,3-dichloropropane	ND	1.0
		dibromochloromethane (THM3)	ND	1.0
		tetrachloroethene (PCE)	ND	1.0
		1,2-dibromoethane (EDB)	ND	1.0
		chlorobenzene	ND	1.0
		1,1,1,2-tetrachloroethane	ND	1.0
		ethyl benzene	ND	1.0
		m,p-xylene	ND	1.0
		styrene	ND	1.0
		o-xylene	ND	1.0
		bromoform (THM4)	ND	1.0
		1,1,2,2-tetrachloroethane	ND	1.0



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
30268	MW-6	isopropyl benzene	ND	1.0
		1,2,3-trichloropropane	ND	1.0
		bromobenzene	ND	1.0
		n-propyl benzene	ND	1.0
		2-chlorotoluene	ND	1.0
		4-chlorotoluene	ND	1.0
		1,3,5-trimethylbenzene	ND	1.0
		tert-butylbenzene	ND	1.0
		1,2,4-trimethylbenzene	ND	1.0
		sec-butylbenzene	ND	1.0
		1,3-dichlorobenzene	ND	1.0
		1,4-dichlorobenzene	ND	1.0
		1,2-dichlorobenzene	ND	1.0
		p-isopropyltoluene	ND	1.0
		n-butylbenzene	ND	1.0
		1,2,4-trichlorobenzene	ND	1.0
		naphthalene	ND	1.0
		hexachlorobutadiene	ND	1.0
		1,2,3-trichlorobenzene	ND	1.0

Oxygenated Gasoline Additives

tert-butyl alcohol (TBA)	ND	25
methyl tert-butyl ether (MTBE)	ND	1.0
di-isopropyl ether (DIPE)	ND	1.0
ethyl tert-butyl ether (ETBE)	ND	1.0
tert-amyl methyl ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	19.7	98.5	70 – 130
toluene-d ₈ (20)	19.0	95.0	70 – 130
4-bromofluorobenzene (20)	18.2	91.0	70 – 130

Date Sampled: 06/15/05
Date Received: 06/16/05

Date Analyzed: 06/20/05
Method: EPA 8260B

QC Batch #: 5602



Volatile Hydrocarbons by GC/MS in Drinking Water

Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
30269	DW-D&G	dichlorodifluoromethane	ND	0.50
		chloromethane	ND	0.50
		vinyl chloride	ND	0.50
		chloroethane	ND	0.50
		bromomethane	ND	0.50
		trichlorofluoromethane	ND	0.50
		acetone	ND	0.50
		1,1-dichloroethene	ND	0.50
		trichlorotrifluoroethane	ND	0.50
		methylene chloride	ND	0.50
		carbon disulfide	ND	0.50
		trans-1,2-dichloroethene	ND	0.50
		methyl ethyl ketone	ND	0.50
		1,1-dichloroethane	ND	0.50
		cis-1,2-dichloropropane	ND	0.50
		cis-1,2-dichloroethene	ND	0.50
		2,2-dichloropropane	ND	0.50
		chloroform	ND	0.50
		bromochloromethane	ND	0.50
		tetrahydrofuran	ND	0.50
		1,1,1-trichloroethane	ND	0.50
		1,2-dichloroethane	ND	0.50
		1,1-dichloropropene	ND	0.50
		carbon tetrachloride	ND	0.50
		benzene	ND	0.50
		trichloroethene	ND	0.50
		1,2-dichloropropane	ND	0.50
		dibromomethane	ND	0.50
		bromodichloromethane	ND	0.50
		cis-1,3-dichloropropene	ND	0.50
		toluene	ND	0.50
		1,1,2-trichloroethane	ND	0.50
		1,3-dichloropropane	ND	0.50
		2-hexanone	ND	0.50
		dibromochloromethane	ND	0.50
		tetrachloroethene	ND	0.50
		1,2-dibromoethane	ND	0.50
		chlorobenzene	ND	0.50
		1,1,1,2-tetrachloroethane	ND	0.50
		ethyl benzene	ND	0.50



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
30269	DW-D&G	m,p-xylene	ND	0.50
		styrene	ND	0.50
		o-xylene	ND	0.50
		bromoform	ND	0.50
		1,1,2,2-tetrachloroethane	ND	0.50
		isopropyl benzene	ND	0.50
		1,2,3-trichloropropane	ND	0.50
		bromobenzene	ND	0.50
		n-propyl benzene	ND	0.50
		2-chlorotoluene	ND	0.50
		4-chlorotoluene	ND	0.50
		1,3,5-trimethylbenzene	ND	0.50
		tert-butylbenzene	ND	0.50
		1,2,4-trimethylbenzene	ND	0.50
		sec-butylbenzene	ND	0.50
		1,3-dichlorobenzene	ND	0.50
		1,4-dichlorobenzene	ND	0.50
		1,2-dichlorobenzene	ND	0.50
		p-isopropyltoluene	ND	0.50
		n-butylbenzene	ND	0.50
		1,2,4-trichlorobenzene	ND	0.50
		naphthalene	ND	0.50
		hexachlorobutadiene	ND	0.50
		1,2,3-trichlorobenzene	ND	0.50

Oxygenated Gasoline Additives

tert-butyl alcohol (TBA)	ND	5.0
methyl tert-butyl ether (MTBE)	ND	0.50
di-isopropyl ether (DIPE)	ND	0.50
ethyl tert-butyl ether (ETBE)	ND	0.50
tert-amyl methyl ether (TAME)	ND	0.50

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
Bromofluorobenzene (10)	7.49	74.9	65-135
1,2-dichlorobenzene-d ₄ (10)	6.74	67.4	65-135

Date Sampled: 06/15/05
Date Received: 06/16/05

Date Analyzed: 06/17/05
Method: EPA 524.2

QC Batch #: 5206



LABORATORY QUALITY ASSURANCE REPORT

QC Batch #: 5594

Lab Project #: 5061611

Sample ID	Compound	Result (ug/L)
MB	TPH/Gas	ND
MB	MTBE	ND
MB	Benzene	ND
MB	Toluene	ND
MB	Ethyl Benzene	ND
MB	Xylenes	ND

Sample #	Sample ID	Compound	Result (ug/L)	Spike Level	% Recv.
30232	CMS	TPH/Gas		NS	
	CMS	Benzene	8.63	10.0	86.3
	CMS	Toluene	8.69	10.0	86.9
	CMS	Ethyl Benzene	8.92	10.0	89.2
	CMS	Xylenes	27.4	30.0	91.3

Sample #	Sample ID	Compound	Result (ug/L)	Spike Level	% Recv.	RPD
30232	CMSD	TPH/Gas		NS		
	CMSD	Benzene	8.68	10.0	86.8	0.58
	CMSD	Toluene	8.80	10.0	88.0	1.3
	CMSD	Ethyl Benzene	9.06	10.0	90.6	1.7
	CMSD	Xylenes	27.7	30.0	92.3	1.1

MB = Method Blank; LCS = Laboratory Control Sample; CMS = Client Matrix Spike; CMSD = Client Matrix Spike Duplicate
NS = Not Spiked; OR = Over Calibration Range; NR = No Recovery



QC Batch #: 5600

Lab Project #: 5061611

Sample ID	Compound	Result (ug/L)			
MB	TPH/Diesel	ND			
Sample ID	Compound	Result (ug/L)	Spike Level	% Recv.	
LCS	TPH/Diesel	2,010	2,730	73.6	
Sample ID	Compound	Result (ug/L)	Spike Level	% Recv.	RPD
LCSD	TPH/Diesel	2,020	2,730	74.0	0.50

MB = Method Blank; LCS = Laboratory Control Sample; CMS = Client Matrix Spike; CMSD = Client Matrix Spike Duplicate
NS = Not Spiked; OR = Over Calibration Range; NR = No Recovery

QC Batch #: 5602

Lab Project #: 5061611

Sample ID	Compound Name	Result (ug/L)
MB	1,1-dichloroethene	ND
MB	benzene	ND
MB	trichloroethene	ND
MB	toluene	ND
MB	chlorobenzene	ND

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	20.5	103	70 - 130
toluene-d ₈ (20)	19.8	99.0	70 - 130
4-bromofluorobenzene (20)	19.3	96.5	70 - 130



Sample #	Sample ID	Compound Name	Result (ug/L)	Spike Level	% Recv.
30263	CMS	1,1-dichloroethene	27.8	25.0	111
	CMS	benzene	25.3	25.0	101
	CMS	trichloroethene	24.5	25.0	98.0
	CMS	toluene	25.2	25.0	101
	CMS	chlorobenzene	25.5	25.0	102

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	20.5	103	70 – 130
toluene-d ₈ (20)	19.9	99.5	70 – 130
4-bromofluorobenzene (20)	19.0	95.0	70 – 130

Sample #	Sample ID	Compound Name	Result (ug/L)	Spike Level	% Recv.	RPD
30263	CMSD	1,1-dichloroethene	28.6	25.0	114	1.8
	CMSD	benzene	25.5	25.0	102	0.79
	CMSD	trichloroethene	24.8	25.0	99.2	1.2
	CMSD	toluene	25.5	25.0	102	1.2
	CMSD	chlorobenzene	25.8	25.0	103	1.2

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	20.6	103	70 – 130
toluene-d ₈ (20)	19.7	98.5	70 – 130
4-bromofluorobenzene (20)	19.1	95.5	70 – 130

MB = Method Blank; LCS = Laboratory Control Sample; CMS = Client Matrix Spike; CMSD = Client Matrix Spike Duplicate
NS = Not Spiked; OR = Over Calibration Range; NR = No Recovery



Analytical Sciences
P.O. Box 750336, Petaluma, CA 94975-0336
110 Liberty Street, Petaluma, CA 94952
(707) 769-3128
Fax (707) 769-8093

LAB PROJECT NUMBER: 5061611

BILLING INFORMATION

LION PROJECT NAME: D & G Automotive

LION PROJECT NUMBER: 1097.01-01

ADDRESS: 129 N. CLOVERDALE BLVD., #7

COMPANY NAME: OSWALD SURVIVAL'S TRUST

CLOVERDALE, CA 95425

ADDRESS:

CONTACT: TOM LION

PHONE#: (707) 894-9024

PHONE#:

FAX #:(707) 894-7463

FAX #:

TURNAROUND TIME (check one)

MOBILE LAB

SAME DAY **24 HOURS**

48 HOURS 72 HOURS

5 DAYS

GEOTracker EDF: χ^2_{Y-N}

GLOBAL ID:

COOLER TEMPERATURE

31.12.20

COG

PAGE 1 OF 1

ANALYSIS

[illegible]

SIGNATURES

SAMPLED BY:

For 2017

RELINQUISHED BY:

6/16/05 2:35

RECEIVED BY LABORATORY:

SIGNATURE

DATE _____

TIME

DATE _____

6-16-05 2:35

TIME

APPENDIX C

DobleThomas Associates Transmittal dated May 31, 2005

**Revised Site Map with Corrected Elevation for Monitoring Well MW-2, and Revised
Geotracker Data, dated May 25, 2005**

DobleThomas & Associates, Inc.

LAND SURVEYING, ENGINEERING & MAPPING

phone (707) 894-3182
 fax (707) 894-4240
 toll free (800) 757-8783
 www DobleThomas.com

134 South Cloverdale Boulevard, Cloverdale, California 95425
 Branch Offices in Windsor and Guerneville

Letter of Transmittal

Job No: 2004-053

Date: 5/31/05

To: Tom Lion
 129 N. Cloverdale Blvd Suite 7
 Cloverdale, Ca. 95425

Regarding: D&G Automotive
 615 Talmage Rd
 Ukiah, Ca.

TRANSMITTED HEREWITH:

- | | |
|---|--|
| <input type="checkbox"/> Per Your Request | <input type="checkbox"/> Per the request of: |
| <input checked="" type="checkbox"/> By Mail | <input type="checkbox"/> Via Delivery by: |
| | <input type="checkbox"/> Will Call: |

Copies	Dated	Description
1	5/24/05	Corrected Site Map, MW-2 Elevation
1	5/24/05	Corrected GeoTracker

FOR YOUR:

- | | |
|--|---|
| <input type="checkbox"/> Review and comment | <input checked="" type="checkbox"/> Information |
| <input type="checkbox"/> Approval | <input checked="" type="checkbox"/> Use |
| <input type="checkbox"/> Signature | <input checked="" type="checkbox"/> File |
| <input checked="" type="checkbox"/> Distribution | <input type="checkbox"/> Other: |

MESSAGE:

If you have any questions please call

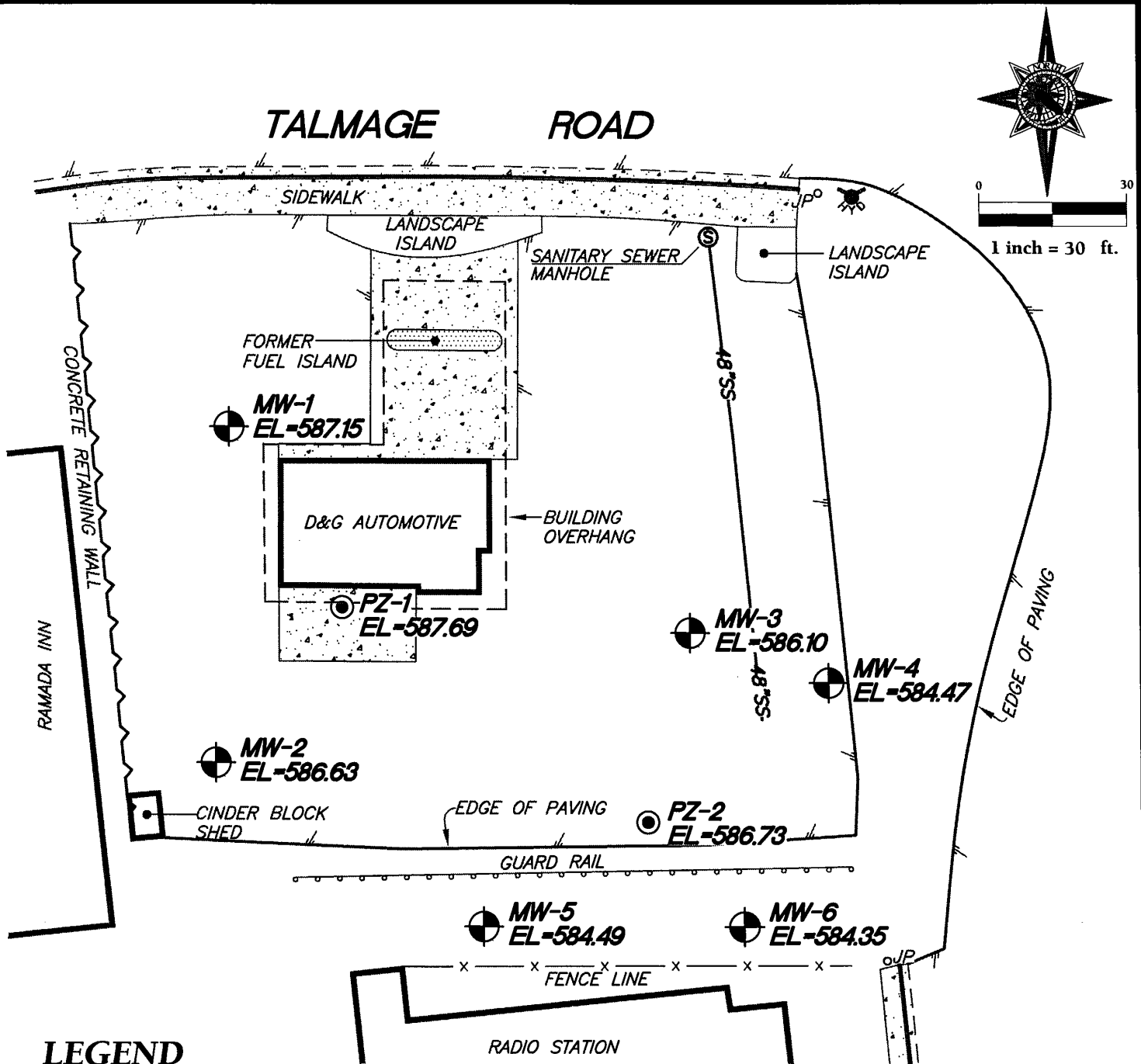
Thanks

By: Vance

Copies To:

File: ☒

IF TRANSMITTAL IS NOT AS NOTED OR RECEIVED, KINDLY NOTIFY US AT ONCE



LEGEND

- MW-2** → MONITORING WELL & I.D.
EL-585.63 → ELEVATION OF NORTHERLY SIDE OF 2" P.V.C. PIPE
 BUILDING LINE
 JOINT POLE

DobleThomas & Associates, Inc.

LAND SURVEYING, ENGINEERING & MAPPING

134 South Cloverdale Boulevard, Cloverdale, California 95425
 Branch Offices in Windsor and Guerneville

All Matters Regarding Land™

phone (707) 894-3182
 fax (707) 894-4240
 toll free (800) 757-8783
 www DobleThomas.com

PREPARED UNDER THE SUPERVISION OF:

BRADLEY A. THOMAS, PLS 5520

MY LICENSE EXPIRES 30 SEPT., 2006

FILE No. 2004-053 23 MAY, 2005

5/24/05

DATE



PROJECT LOCATION:

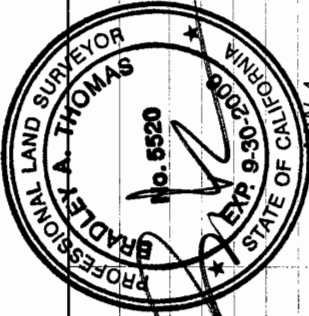
D&G AUTOMOTIVE
 615 TALMAGE ROAD
 UKIAH, CALIFORNIA

PREPARED FOR:

LION ENVIRO-GEOTECH
 ATTN: TOM LION
 129 N. CLOVERDALE BLVD., SUITE 7
 CLOVERDALE, CA. 95425

Site Name: D&G Automotive	
Site Address: 615 Talmage Road Ukiah, California	

5/24/05

 $\frac{1}{2}$ 

GEO_XY						
GLOBAL ID	MW-1	MW-2	MW-3	MW-4	MW-5	
FIELD PT NAME	MW	MW	MW	MW	MW	
FILED PT CLASS	06/10/04	06/10/04	06/10/04	06/10/04	06/10/04	
XY SURVEY DATE	39.1358126	39.1356259	39.1357015	39.1356747	39.1355369	
LATITUDE	123.1927912	123.1927983	123.1924588	123.1923603	123.1926050	
LONGITUDE	RTK	RTK	RTK	RTK	RTK	
XY METHOD	NAD83	NAD83	NAD83	NAD83	NAD83	
XY DATUM	10	10	10	10	10	
XY ACC VAL	DobleThomas	DobleThomas	DobleThomas	DobleThomas	DobleThomas	
XY SURVEY ORG	T57	T57	T57	T57	T57	
GPS EQUIP TYPE	HPGN KT2296	HPGN KT2296	HPGN KT2296	HPGN KT2296	HPGN KT2296	
XY SURVEY DESC						
GEO_Z						
GLOBAL ID	MW-1	MW-2	MW-3	MW-4	MW-5	
FIELD PT NAME	06/10/04	06/10/04	06/10/04	06/10/04	06/10/04	
ELEV SURVEY DATE	587.15	586.63	586.10	584.47	584.49	
ELEVATION	CGPS	CGPS	CGPS	CGPS	CGPS	
ELEV METHOD	88	88	88	88	88	
ELEV DATUM	2	2	2	2	2	
ELEV ACC VAL	DobleThomas	DobleThomas	DobleThomas	DobleThomas	DobleThomas	
ELEV SURVEY ORG						
RISER HT	NGS KT2012	NGS KT2012	NGS KT2012	NGS KT2012	NGS KT2012	
ELEV DESC						



MW-6	PZ-1	PZ-2
MW	MW	MW
06/10/04	06/10/04	06/10/04
39.1355386	39.1357019	39.1355960
123.1924184	123.1927085	123.1924877
RTK	RTK	RTK
NAD83	NAD83	NAD83
10	10	10
DobleThomas	DobleThomas	DobleThomas
T57	T57	T57
HPGN KT2296	HPGN KT2296	HPGN KT2296
MW-6	PZ-1	PZ-2
06/10/04	06/10/04	06/10/04
584.35	587.69	586.73
CGPS	CGPS	CGPS
88	88	88
2	2	2
DobleThomas	DobleThomas	DobleThomas
NGS KT2012	NGS KT2012	NGS KT2012